become greatly confirmed. On this ground the recent November Star-shower was carefully and successfullly observed at Greenwich, by the direction of the Astronomer Royal, and at all the principal observatories.

Doubts have arisen regarding the hitherto presumed period and the circular form of the orbit of the great November congeries of meteors, arising from the fact, that the motion of its node does not appear to conform to the hypothesis of a circular orbit of 354 days, so ably advocated by Professor Newton. It is to be hoped that this interesting question will soon receive further elucidation.

Attention has already been called in another part of this report to the probability that Comet II., 1862, may after all be one of the larger of the August meteors. A question also arises whether the November congeries may not sometimes be visible, if sought for, in our larger telescopes. Doubtless now that the attention of competent astronomers is drawn to these subjects, much additional and trustworthy information regarding these cosmical substances will be gradually accumulated.

Information has just reached this country regarding a meteoric shower observed at noon-day on 1866, October 25, at Fremantle, West Australia.

Communications to the Society from February 1866 *to February* 1867.

1866.

Mar. 9. Notice of the great Nebula of *Orion*. Rev. T. W. Webb.

Additions to Investigations on Cometary Systems. M. Hoek.

Path of a Detonating Meteor. Mr. A. S. Herschel.

Note on the Companion to *Antares*. Mr. Freeman.

Investigations on Airy's Double-image Micrometer. Dr. Kaiser.

Occultation of 130 *Tauri*. Mr. Talmage.

On the Acceleration of the Moon's Mean Motion. Mr. Finlayson.

Spectrum of α *Orionis*. P. Secchi.

Ephemeris of *Iris* for Opposition of 1866. Dr. Brunnow.

On the Advantages gained by substituting a Refracting Prism for a Diagonal Mirror in a Silvered-glass Speculum. Mr. Browning.

On the Supposed Possible Effects of Friction in the Tides in influencing the Apparent Acceleration of the Moon's Mean Motion. Mr. Airy.

On the Semidiameter of the Moon. M. Oudemans.

On the New Star of the year 393 A.C. M. Goldschmidt.

April 13. On a small Star near ε *Canis Majoris*. Mr. Freeman.

On a Method of computing interpolations to the second order without change of Algebraic Sign. Mr. Airy.

Occultation of 31 *Arietis*, and supposed Observation of Biela's Comet. Mr. Talmage.

On the Companion to *Sirius*. Mr. Knott.

On the Companion to *Antares*. Mr. Cottam.

On the Variable in *Collo Cygni*. Mr. Stone.

On Solar Phenomena. Mr. Waterston.

May 11. Description of an Equatoreal Clock. Lord Oxmanton.

On the Satellite of *Sirius*. M. O. Struve.

Occultations and Phenomena of *Jupiter's* Satellites. Mr. Airy.

On the Spectrum of α *Orionis*. P. Secchi.

Results of some Observations on the Bright Granules of the Sun. Mr. Huggins.

Supposed Observation of Biela's Comet. Mr. Buckingham.

June 8. On the Effect produced by the Angles of Position of Double Stars.

On the Results of Micrometrical Measures of them, with a Description of a Method by which such Effect may be avoided or removed. Rev. W. R. Dawes.

Equatoreal Observations of *Mars* and Neighbouring Stars for the Determination of the Sun's Parallax, &c. Mr. Pogson.

Mean N.P.D. of *Rigel*, α *Orionis*, *Sirius*, and α *Hydræ*, from Observations with Transit Circle at the Cape of Good Hope. Sir T. Maclear.

Observations of the Spectrum of the extraordinary Variable near ε *Coronæ*. Mr. Stone.

Eye Estimations of Stars near *Corona*. Sir J. Herschel.

The New Variable Star. Mr. Chambers.

On the Craters of the Moon. Mr. Hodgson.

On the Depression of the Barometric Column by the Vapour of *Mercury*. Gen. Shortrede.

On the Spectrum of *Antares*. M. Secchi.

Nov. 9. On the Change in Elliptic Orbits from an accession to the Sun's Mass. Mr. Waterston.

The Value of the Sun's Gravitation Integral compared with the Annual Amount of Radiant Force expended. Mr. Waterston.

On the Change in an Elliptic Orbit if the Intensity of the Force of Gravity was influenced by Centripetal Velocity of the Orbital Body. Mr. Waterston.

On the Amount of Force that a given Mass may produce by its Force of Gravity.
Observations of the Solar Eclipse of Oct. 8, 1866. Mr. Joynson.
Morning Illumination of *Hipparchus*. Mr. Birt.
Rotatory Motion of the Planets. Mr. Rodgers.
On the Distribution of Solar Spotted Area in Heliographic Latitude. Messrs. De La Rue, Loewy, and Stewart.
On a New mode of Finding the Position of Solar Spots. Capt. Ashe.
On the Solar Eclipse of Oct. 8. Mr. Talmage.
On the Adjustment of the Sextant. Mr. W. Simms.
On a Double-image Micrometer. Mr. W. Simms.
Micrometrical Measurements of Double Stars. Rev. W. R. Dawes.
Observations of Planets and Nebulæ at Malta. Mr. Lassell.
Observations of the New Variable T *Coronæ*. Mr. Baxendell.
On Krüger's Mass of *Jupiter*. Mr. Lynn.
On the identity of the Variable T *Coronæ* with Star in Wollaston's Catalogue. Mr. Stone.

Dec. 14. Meteoric Shower of Nov. 14. Adm. Ommanney.
Ditto ditto Mr. De La Rue.
Ditto ditto Rev. G. Venables.
Ancient Eclipse of the Sun observed in India. Mr. Peacock.
New Tables of Refraction. Capt. Shadwell.
Occultation of *Aldebaran*. Mr. Joynson.
Plan for Fixing Position of Solar Spots. Capt. Ashe.
On the Secondary Spectrum. Mr. Wray.
Observations at Malta with the 4-feet Equatoreal. Mr. Lassell.
Synopsis of Sir W. Herschel's Micrometrical Measurements of Double Stars. Sir John Herschel.
Meteoric Shower of Nov. 14. Sir J. Herschel.
Ditto ditto Mr. A. S. Herschel.
Ditto ditto Prof. C. P. Smyth.
Ditto ditto Mr. Hunter.
Ditto ditto Mr. Taunton.
Ditto ditto Rev. W. Deey.
Ditto ditto Rev. W. R. Dawes.
On the Use of the Eye-piece Micrometer in Measurements of Double Stars. Rev. W. R. Dawes.
On the Telescopic Disks of Stars. Mr. Knott.
Meteoric Shower of Nov. 14. Prof. Grant.
Ditto ditto Mr. Birmingham.
Speculations on Meteoric Trains. Major Tennant.

Inference from the Observed Movement of the Meteors in the appearance of 1866, Nov. 13. Mr. Airy.

On the Simultaneous Disappearance of *Jupiter's* Satellites in the year 1867. Mr. Airy.

The Annular Solar Eclipse of March 5–6, 1867. Mr. Hind.

Remarks on certain Observations of T *Coronæ* reputed to have been made by Mr. Barker, 1866, May 4. Mr. Stone.

Occultations observed at Maresfield. Capt. Noble.

On the possibility of a Change in the position of the Earth's Axis due to Frictional Action connected with the Phenomena of the Tides. Mr. Stone.

Meteoric Shower of Nov. 14. Rev. R. Main.

	Ditto	ditto	Mr. Fasel.
	Ditto	ditto	Mr. Hind.
1867.	Ditto	ditto	Rev. F. Howlett.
Jan. 11.	Ditto	ditto	Mr. Talmage.
	Ditto	ditto	Mr. G.W. H. Maclear.

Observations of Total Eclipse of the Moon Sept. 20, 1867. Mr. Tebbutt, jun.

Observations of Lunar Crater *Linné*. Mr. Birt.

On the Spectra of the Meteors of Nov. 14, 1866. Mr. Browning.

Comparison of Sun-spot Observations by M. Schwabe with those made at Kew in 1866. Messrs. De La Rue, Loewy, and Stewart.

Occultations of Stars by the Moon and Phenomena of *Jupiter's* Satellites. Mr. Airy.

On the Solar Eclipse of August 1868. Major Tennant.

Measures of the Binary Star ζ *Herculis*. Rev. W. R. Dawes.

Meteoric Shower of Nov. 14. Mr. Lowe.

Luminous Meteors of Nov. 13, 1866. Rev. Prof. Challis.

On a Bright Meteor Nov. 13, 1866. Mr. Hodgson.

List of Public Institutions and of Persons who have contributed to the Society's Library, &c. since the last Anniversary.

Her Majesty's Government.

The Lords Commissioners of the Admiralty.

Royal Society of London.

Royal Asiatic Society.

Royal Asiatic Society, Bombay Branch.